

OPINION 2150 (Case 3317)***Scarabaeus arenarius* Olivier, 1789 (currently *Aphodius arenarius*) and *Scarabaeus fasciatus* Olivier, 1789 (currently *Aphodius fasciatus*) (Insecta, Coleoptera): specific names conserved**

Abstract. The Commission has ruled that the specific names of the scarab beetles *Aphodius fasciatus* (Olivier, 1789) and *A. arenarius* (Olivier, 1789) are conserved by a ruling that these names are not invalid by reason of being junior primary homonyms of *Trichius fasciatus* (Linnaeus, 1758) and *Aegialia arenarius* (Fabricius, 1787) respectively. The Commission has also suppressed the name *Scarabaeus putridus* Geoffroy in Fourcroy, 1785.

Keywords. Nomenclature; taxonomy; Coleoptera; SCARABAEIDAE; APHODIINAE; AEGIALIINAE; TRICHIINAE; *Aphodius arenarius*; *Aphodius fasciatus*; dung beetles.

Ruling

- (1) Under the plenary power it is hereby ruled that:
 - (a) the specific name *putridus* Geoffroy in Fourcroy, 1785, as published in the binomen *Scarabaeus putridus*, is suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;
 - (b) the following specific names are not invalid:
 - (i) *fasciatus* Olivier, 1789, as published in the binomen *Scarabaeus fasciatus*, by reason of being a junior primary homonym of *Scarabaeus fasciatus* Linnaeus, 1758;
 - (ii) *arenarius* Olivier, 1789, as published in the binomen *Scarabaeus arenarius*, by reason of being a junior primary homonym of *Scarabaeus arenarius* Fabricius, 1787.
- (2) The following names are hereby placed on the Official List of Specific Names in Zoology:
 - (a) *fasciatus* Olivier, 1789, as published in the binomen *Scarabaeus fasciatus* (not invalid by reason of being a junior primary homonym of *Scarabaeus fasciatus* Linnaeus, 1758 as ruled in (1)(b)(i) above);
 - (b) *arenarius* Fabricius, 1787, as published in the binomen *Scarabaeus arenarius*;
 - (c) *arenarius* Olivier, 1789, as published in the binomen *Scarabaeus arenarius* (not invalid by reason of being a junior primary homonym of *Scarabaeus arenarius* Fabricius, 1787 as ruled in (1)(b)(ii) above);
- (3) The following names are hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology:
 - (a) *putridus* Geoffroy in Fourcroy, 1785, as published in the binomen *Scarabaeus putridus* and as suppressed in (1)(a) above;
 - (b) *putridus* Herbst, 1789, as published in the binomen *Scarabaeus putridus* (a junior primary homonym of *Scarabaeus putridus* Geoffroy in Fourcroy, 1785);

- (c) *putridus* Sturm, 1805, as published in the binomen *Aphodius putridus* (a junior homonym of *Scarabaeus putridus* Geoffroy in Fourcroy, 1785);
- (d) *fasciatus* Fabricius, 1801, as published in the binomen *Aphodius fasciatus* (a junior homonym of *Scarabaeus fasciatus* Olivier, 1789).

History of Case 3295

An application to conserve the specific names of *Scarabaeus arenarius* Olivier, 1789 and *Scarabaeus fasciatus* Olivier, 1789 was received from Frank-Thorsten Krell (*Natural History Museum, Cromwell Road, London, SW7 5BD, U.K.*) on 13 January 2004. After correspondence the case was published in BZN **61**: 232–240 (December 2004). The title, abstract and keywords of the case were published on the Commission's website. No comments on this case were received.

Decision of the Commission

On 1 December 2005 the members of the Commission were invited to vote on the proposals published in BZN **61**: 235–236. At the close of the voting period on 1 March 2006 the votes were as follows:

Affirmative votes: – 18: Bock, Bouchet, Brothers, Calder, Fortey, Halliday, Kerzhner, Lamas, Macpherson, Mahnert, Mawatari, Minelli, Nielsen, Papp, Patterson, Rosenberg, Štys and van Tol.

Negative vote: – 1: Alonso-Zarazaga.

No votes were received from Ng and Song.

Voting against, Alonso-Zarazaga commented that he regarded the application as premature, and that more information on the identity of type specimens was needed.

Original references

The following are the original references to the names placed on an Official List and an Official Index by the ruling given in the present Opinion:

- arenarius*, *Scarabaeus*, Fabricius, 1787, *Mantissa insectorum sistens eorum species nuper detectas adiectis characteribus genericis, differentialis specificis, emendationibus, observationibus*, p. 11.
- arenarius*, *Scarabaeus*, Olivier, 1789, *Entomologie, ou Histoire Naturelle des Insectes, avec leurs caractères généraux et spécifiques, leur description, leur synonymie, et leur figure enluminée. Coléoptères. 1, Scarabé*, p. 96.
- fasciatus*, *Aphodius*, Fabricius, 1801, *Systema Eleutheratorum secundum Ordines, Genera, Species adiectis Synonymis, Locis, Observationibus, Descriptionibus*, part 1, p. 68.
- fasciatus*, *Scarabaeus*, Olivier, 1789, *Entomologie, ou Histoire Naturelle des Insectes, avec leurs caractères généraux et spécifiques, leur description, leur synonymie, et leur figure enluminée. Coléoptères. 1, Scarabé*, p. 90.
- putridus*, *Aphodius*, Sturm, 1805, *Deutschlands Fauna in Abbildungen nach der Natur mit Beschreibungen. V. Abtheilung. Die Insecten. Erstes Bändchen. Käfer*, p. 125.
- putridus*, *Scarabaeus*, Geoffroy in Fourcroy, 1785, *Entomologia Parisiensis; sive Catalogus Insectorum quae in Agro Parisiensi reperiuntur; Secundum methodum Geoffraeanam in sectiones, genera & species distributus: Cuius addita sunt nomina trivialia & fere trecentae novae Species. Pars Prima*, p. 12.
- putridus*, *Scarabaeus*, Herbst, 1789, *Natursystem aller bekannten in- und ausländischen Insekten, als eine Fortsetzung der von Buffonschen Naturgeschichte. Nach dem System des Ritters von Linné und Fabricius zu bearbeiten angefangen von Carl Gustav Jablonsky. Der Käfer zweyter Theil*, p. 160f.